

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L11	39	(US-20070151767-\$ or US-20020166700-\$ or US-20060191756-\$ or US-20060225412-\$ or US-20030015352-\$ or US-20030075362-\$). did. or (US-5924534-\$ or US-3728040-\$ or US-3599906-\$ or US-3231239-\$ or US-1161117-\$ or US-RE30246-\$ or US-3908770-\$ or US-3882946-\$ or US-3876350-\$ or US-3168939-\$ or US-1781437-\$ or US-5323612-\$ or US-5112188-\$ or US-4676716-\$ or US-7082078-\$ or US-6555926-\$ or US-5586083-\$ or US-5740126-\$ or US-5517464-\$ or US-6970398-\$ or US-5626200-\$ or US-4453604-\$ or US-3598187-\$ or US-3938596-\$ or US-3930749-\$ or US-2591488-\$). did. or (US-1161116-\$ or US-3858668-\$ or US-2988326-\$ or US-2382108-\$ or US-3754835-\$). did. or (US-1781437-\$ or US-3547231-\$). did.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/25 09:02
L14	23	11 and drill\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/25 09:03
L15	15	("3039735"   "3362488"   "3405912").PN. OR ("3598187").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/25 09:22

L16	44	("3563323"   "3598187"   "3659662"   "3713500"   "3841420"   "3882946"   "4260032"   "4374547"   "4610307"   "4615399"   "4698794"   "4732225"   "4775017"   "4807708"   "5022471"   "5050692"   "5099931"   "5113953"   "5156222"   "5174392"   "5199514"   "5215151"   "5265682"   "5311952"   "5316093"   "5316094"   "5339913"   "5343967"   "5360075"   "5394951"   "5419405"   "5485889"   "5535835"   "5620056"   "Re33751").PN. OR ("6129160").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/25 09:22
L17	20	("2353534"   "3159222"   "3356338"   "3365170"   "3405912"   "3598187").PN. OR ("3754835").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/25 09:41
L18	11	11 and chamber	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/25 09:43
L19	18	("20030019622"   "3227228"   "4785300"   "5040155"   "5073877"   "5115415"   "5294923"   "5448227"   "5586084"   "5636178"   "5787052"   "6021095"   "6219301"   "6257356"   "6421298"   "6469367"   "6568470").PN. OR ("7082078").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/25 09:48
L20	0	(andreychuck).in.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/25 10:05
L21	9	(andreychuk).in.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/25 10:05

L22	41	("3841407"   "4036508"   "4249600"   "4265304"   "4290495"   "4416329"   "4585061"   "4591006"   "4616454"   "4673035"   "4756366"   "4951759"   "5090039"   "5107940"   "5215151"   "5271461"   "5291956"   "5348096"   "5386385"   "5411085"   "5439066"   "5839514"   "5842530"   "5845708").PN. OR ("6003598").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/25 10:06
S1	16	("1781437"   "3168939"   "3599906"   "3728040"   "5924534").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/06 13:54
S2	15	("2324074"   "2419372"   "2790519"   "2967683"   "3371890").PN. OR ("3599906").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/06 14:35
S3	1461	((188/290) or (188/293) or (188/296)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/12/06 14:40
S4	578	(415/123).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/12/06 14:40
S5	350	((60/435) or (60/442)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/12/06 14:41
S6	0	S3 and S4 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/06 14:41
S7	9	S3 and S4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/06 14:42
S8	2	S3 and S5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/06 14:44

S9	8184	(turbine with shaft) and brak\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/06 15:11
S10	4893	S9 and (hydraulic ((brake braking) near fluid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/06 15:12
S11	4311	S10 and torque	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/06 15:12
S12	869	(175/107).CCLS	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2007/12/06 15:13
S13	67	S12 and (brak\$3 ((resist\$3 resistance) with torque))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/06 15:14
S14	37	("2380520"   "2700131"   "2717763"   "2787759"   "2800296"   "2915285"   "2940039"   "2958821"   "3302457"   "3309656"   "3737843"   "3788136"   "3790930"   "3805606").PN. OR ("RE30246").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/06 15:20
S15	14	("2591488"   "3159222"   "3405912"   "3598187").PN. OR ("3882946").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/06 15:24
S16	6	("1293459").PN. OR ("3876350").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/06 16:19
S17	353	((60/435) or (60/442)).CCLS	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/22 13:01
S18	580	(415/123).CCLS	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/24 08:32
S19	56	S18 and (fluid with (brak\$3 slow\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/24 08:34

S20	32	S18 and (fluid with (resistance torque))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/24 08:34
S21	6	("4155684"   "4586878"   "4726744"   "4843813").PN. OR ("5323612").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/24 08:35
S22	13	("1161116"   "1161117"   "2353534"   "3231239").PN. OR ("3728040").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/24 08:39
S23	17	("0466751"   "3404924"   "3405912"   "3728040"   "3966369"   "3989409"   "4146353"   "4225000"   "4265323"   "4415316"   "4427079"   "4676716"   "4773489").PN. OR ("5112188").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/24 08:41
S24	40727	"175"/\$.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/24 08:42
S25	151061	(downhole adj motor) (mud adj motor) turbine moineau	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/24 08:44
S26	60614	brak\$3 with (hydraulic fluid)	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/24 08:44
S27	47	S24 and S25 and S26	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/24 08:45
S28	14	("3958217"   "3997867"   "4276943"   "4596293"   "4825421"   "5215152"   "5449249"   "5586083"   "5586084"   "5787052"   "6469637"   "RE36401").PN. OR ("6555926").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/24 08:52

S29	48	("4147223"   "4189705"   "4562560" "4647853"   "4675852"   "4691203" "4734892"   "4839870"   "4847815" "4914433"   "4914637"   "4956823" "4979112"   "5073877"   "5146433" "5182731"   "5197040"   "5237540" "5249161"   "5357483"   "5375098").PN. OR ("5517464").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/24 08:58
S30	14	("2591488"   "3159222"   "3405912" "3598187").PN. OR ("3882946").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/24 09:07
S31	15	("3039735"   "3362488"   "3405912").PN. OR ("3598187").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/24 09:08
S32	9	("2591488").URPN.	USPAT	OR	ON	2008/04/24 09:26
S33	8	("3858668").URPN.	USPAT	OR	ON	2008/04/24 09:57
S34	18	("1862991"   "1936031"   "2095805" "2354428"   "3231058").PN. OR ("3858668").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/24 09:57
S35	1900	((188/290) or (188/291) or (188/292) or (188/293) or (188/296)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/24 10:45
S36	111	S25 and S35	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/24 10:46
S37	1	S35 and (turbo?drill turbodrill)	US-PGPUB; USPAT; USOCR	OR	ON	2008/04/24 10:47
S38	878	(175/107).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/24 11:06
S39	0	("(speednear(reduc \$3reduct\$3)retard \$3brak\$3slow\$3((resist \$3resistance) near3torque)").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2008/04/24 11:09

S40	2329122	(speed near (reduct\$3 reduct\$3)) retard\$3 brak\$3 slow\$3 ((resist \$3 resistance) near3 torque)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/24 11:09
S41	235	S38 and S40	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/24 11:10

4/ 25/ 2008 10:38:43 AM

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